

Summary of California's Salinity-Related Secondary Drinking Water Standards

Constituent	Recommended	Upper Level	Short-Term or Intermittent Use
Total Dissolved Solids (mg/L) <i>or</i>	500	1000	1500
Specific Conductance ($\mu\text{S}/\text{cm}$)	900	1600	2200
Chloride(mg/L)	250	500	600
Sulfate (mg/L)	250	500	600

Central Valley Water Board LSJR Salt Tolerance Report (2010)

	Crows Landing EC to Protect Crops			
Rainfall:	Median		Minimum	
% Crop Protection:	95%	100%	95%	100%
Beans	1300	1000	1050	800
Almonds	1700	1400	1450	1200
Alfalfa	>2000	1900	>2000	1600

- LSJR Irrigation Use Area: 68,458 acres
 - Beans: 11.6%
 - Almonds: 8.6%
 - Alfalfa: 18.6 %
- Leaching Fraction: 0.15
- Exponential crop water uptake
- Irrigation efficiency: 70% bean; 75% average

SACRAMENTO – SAN JOAQUIN BASIN PLAN

Establishing Water Quality Objectives

Factors the Regional Water Board must consider include:

- Past, present, and probable future beneficial uses;
- Environmental characteristics of the hydrographic unit under consideration, including the quality of water available thereto;
- Water quality conditions that could reasonably be achieved through the coordinated control of all factors which affect water quality in the area;
- Economic considerations;
- The need for developing housing within the region;
- The need to develop and use recycled water.